

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

1. (currently amended) A computer system, comprising:

a plurality of computers;

a plurality of storage means;

a plurality of connection means for connecting said computers with said plurality of storage means; and

management means for managing states of ~~connection~~ connections between said computers and said plurality of storage means;

wherein: said management means comprises:

a correspondence table which indicates relations between a plurality of symbols each indicating one of said computers, said plurality of storage means and said plurality of connection means, and display coordinate values of a display screen,

a path table which indicates relations between said symbols and connections among said computers, said plurality of storage means and said plurality of connection means,

connection state display means for displaying on said display screen a state of said ~~connection~~ connections in said computer system,

a zone table which indicates relations between a plurality of zones and said symbols indicating said computers, said plurality of storage means and said plurality of connection means, and

input means for inputting a user's request for creating new connections among said symbols on said display screen and changing the said connectionconnections; on said display screen,

wherein said connection state display means comprises:

means for displaying on said display screen said symbols of said computers, said plurality of storage means, and the state of said connection-connections state-at positions indicated by said coordinate values in a graphic image, and

means for creating, by use of said input means, an area displaying a-set includingsaid plurality of computers and said plurality of storage means on said display screen; and,

wherein said management means further comprises:

display position comparing means for comparing, based on said coordinate values and said user's request, respectively a graphic image display position of said graphic image of said computers and said plurality of storage means in said connection state display means with a graphic image display position of an area created by use of said input means, and

setting means for setting said plurality of storage means and said plurality of connection means according to a result of the comparison by said display position comparing means, and

wherein when said user's request includes an instruction for creating a connection between symbols of computers, storage means and said plurality of connection means not included in said zone table, said user's request is invalidated.

2. (currently amended) A computer system according to claim 1, wherein: the area created by said input means of said connection state display means in said management means ~~may overlap~~overlaps with other areas; and

wherein said display position comparing means sets, when the area overlaps with other areas and the overlapped areas contain a graphic image of said computer or said storage means, said storage means and said connection means according to a positional relationship between each of the areas and the graphic image based on said coordinate values and said user's request.

3. (currently amended) A computer system according to claim 1, wherein: the graphic image representing computers and storage means displayed on said connection state display means in said management means can be moved by said input means; and

wherein said display position comparing means compares, after the graphic image is moved by use of said input means, a positional relationship between an area and the graphic image and sets said storage means and said connection means according to a result of the comparison.

4. (original) A computer system according to claim 1, wherein said setting means also sets computers according to a result of the comparison by said display position comparing means.

5. (currently amended) A method of managing a connection relationship in a computer system ~~comprising~~ which includes a plurality of computers, a plurality of storage means, and a plurality of connection means for connecting said computers with said plurality of storage means, said method comprising the steps of:

preparing a correspondence table which indicates relations between a plurality of symbols each indicating one of said computers, said plurality of storage means and said plurality of connection means, and display coordinate values, and a path table which indicates relations between said symbols and connections among said computers, said plurality of storage means and said plurality of connection means;

displaying an area representing a set of said computers and said plurality of storage means on a management screen;

displaying symbols of said computers and said plurality of storage means in a graphic image on a said management screen;

displaying, on said management screen, a state of said connections in said computer system;

preparing a zone table which indicates relations between a plurality of zones and said symbols indicating said computers, and said plurality of storage means and said plurality of connection means.

inputting a user's request for creating new connections among said symbols on said management screen and changing said connections on said management screen;

comparing, based on said coordinate values and said user's request, respectively information of positions of areas with information of positions of graphic images respectively of computers and said plurality of storage means on said management screen;

setting an interface for said storage means according to a result of the comparison; and

setting an interface for said connection means according to a result of the comparison,

wherein when said user's request includes an instruction for creating a connection between symbols of computers, storage means and connection means not included in said zone table, said user's request is invalidated.

6. (original) A method of managing a connection relationship in a computer system according to claim 5, further comprising the steps of:

changing a position and a size of an area on said management screen; and
changing a position of each of the graphic images respectively representing computers and storage means on said management screen.

7. (currently amended) A method of managing a connection relationship in a computer system according to claim 5, further comprising the step of;

when a position and a size of an area on said management screen is changed or when a position of each of the graphic images respectively representing computers and storage means on said management screen is changed, of determining for each area whether or not the computers and the storage means have valid connectivity therebetween in the area.

8. (currently amended)A method of managing a connection relationship in a computer system according to claim 5, further comprising the step of:
setting connection for the computers according to a result of the comparison of said positional information comparing step.